

TANNOY®



V300

The Tannoy V300 is a premium quality installation cabinet based around a high power 300mm (12") point source, constant directivity SuperDual™ transducer.

The SuperDual transducer is specifically designed for applications requiring critical performances - the ultimate in sound reproduction quality. The SuperDual utilises a reinforced paper cone with rubber surround for high sensitivity, a dual magnet assembly and a Tulip WaveGuide™ for the HF unit. The high frequency (HF) and low frequency (LF) sources are coincidentally aligned to a point source. The result is a smooth, uniform frequency response over a wide coverage area, unachievable with discrete, two-way designs in the vertical plane where massive cancellations appear off axis at the crossover frequency. The 90° conical dispersion of the SuperDual allows either vertical or horizontal mounting without compromising sound quality.

Available in Black or White, the rugged multi-ply birch cabinet has an asymmetric profile that allows installations in a variety of configurations.

The V300 is designed to function properly without the use of a controller and can be bi-amplified for increased system flexibility. A compatible controller will improve bass performance, as well as provide a crossover function for use with V Series bass systems.

The V300 comes complete with a recessed carrying handle and 10mm flying points to provide a quick and secure flying system. Tannoy's proprietary Secure-ET™ modular mounting hardware provides the V Series with multiple hanging options - wall mount, yoke, ceiling saddle, pole clamp, pole mount and eyebolts. See the V Hardware specifications for details.

FRONT DETAIL



CABINET DETAIL



MOUNTING HARDWARE



CONNECTOR PLATE



V300

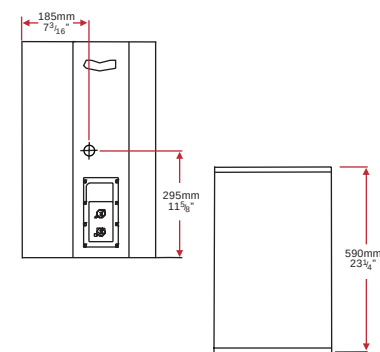
SYSTEM

System Type	Full Range - Ported	
Frequency Response (1)	+/- 3dB -10dB	50Hz - 23kHz 49Hz
Recommended Amplifier Power	400 - 800 Watt / 8Ω	
Power Handling (2)	Average Programme Peak	250 Watt 500 Watt 1000 Watt
Sensitivity 2.83 Volts @ 1 metre (3)	Anechoic Half Space	98dB 101dB
Maximum SPL	Average Peak	122dB 128dB
Impedance	8Ω	
Dispersion (-6dB)	See Beamwidth Plot	90° Conical
Driver Complement	1 x 300mm (12") SuperDual™	
Crossover (4)	Passive 1.8kHz	

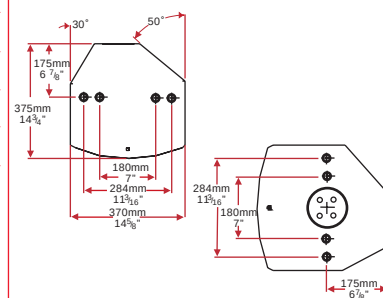
CONSTRUCTION

Enclosure	44.5 litre vented, 18mm (3/4") birch plywood, 25mm (1") MDF baffle with perforated black steel grille covered with foam	
Finish	Textured Black or White paint	
Connectors	2 x Neutrik™ Speakon (NL4MP)	
Fittings	1 x recessed carrying handle Blanking plate for optional VTH pole mount 8 x M10 flying mount inserts 1 x M10 pull back point 8 x M10 yoke bracket inserts	
Dimensions	590 x 370 x 375mm (23 1/4 x 14 5/8 x 14 3/4")	
Weight (each)	34kg (75lbs)	
Shipping	Quantity	1
	Weight	39.5kg (87lbs 2oz)
	Pack Dimensions	667 x 445 x 438mm (26 1/4 x 17 1/2 x 17 1/4")

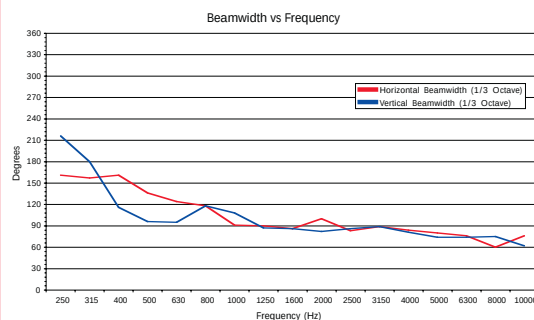
FRONT & REAR ELEVATION



TOP & BOTTOM ELEVATION



BEAMWIDTH PLOT



NOTES: (1) Average over stated bandwidth. Measured at 1 metre on axis. (2) Long term power handling capacity as defined in EIA standard RS - 426A. (3) Unweighted pink noise input, measured at 1 metre in an anechoic chamber. (4) This product can also be configured for Bi-amped operation via the TDX2 - please consult the user manual for more information.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

APPLICATIONS

- Critical performance and accuracy required
- High quality public address
- Live sound reinforcement
- Theme pubs / nightclubs
- Theatre front of house and effects
- Movie theatre / cinema
- Side fill in large - scale music reinforcement
- Theme parks and leisure venues
- Sports and multi - use stadiums
- Audio visual
- Religious facilities

FEATURES

- 300mm (12") point source SuperDual™ driver
- 90° controlled conical dispersion for optimum coverage and forward gain
- Compact, versatile enclosure
- High power handling
- High efficiency and low distortion
- Rugged birch plywood construction
- Convenient aspect ratio
- Integral carrying handle
- Integral flying points
- Secure-ET™ mounting options
- Full range passive or Bi-amped powering modes
- Five year loudspeaker warranty

ARCHITECTURAL SPECIFICATIONS

The loudspeaker shall consist of a 300mm (12") full range, single point source SuperDual™ transducer. The low and the high frequency elements shall be combined by an internal passive crossover network operating at 1.8kHz, with 2nd order high pass, 2nd order low pass. A configurable switching arrangement on the input panel allows the user to select between full range passive or Bi-amped two way powering modes.

Performance of the loudspeaker, without any electronic control shall meet or exceed the following criteria: Frequency response measured at 1 metre on axis with swept sine wave shall be 50Hz - 23kHz (+/-3dB). Sensitivity shall be at least 98dB (anechoic) for 2.83 Volts @ 1 metre and shall be capable of producing a peak output level of 128dB (anechoic) on axis at 1 metre.

The dispersion of the loudspeaker shall be 90° conical (-6dB). The system shall have a nominal impedance of 8Ω, maximum power handling shall be 500 Watts (programme). The enclosure shall be an optimally tuned (44.5 litre), vented enclosure of birch plywood construction. The enclosure shall be fitted with an integral carrying handle, and integral M10 mounting points for flying hardware. The enclosure shall not exceed the following dimensions: 590 x 370 x 375mm or 23 1/4 x 14 5/8 x 14 3/4" (H x W x D).

The loudspeaker shall be the Tannoy...V300.

TANNOY | **DUAL™**
CONCENTRIC



Tannoy United Kingdom | T: +44 (0) 1236 420199 | F: +44 (0) 1236 428230 | E: enquiries@tannoy.com
Tannoy North America | T: (519) 745 1158 | F: (519) 745 2364 | E: enquiries@tannoyna.com

tannoy.com